Author index

A

Adegas JEB, Nogueira Couto RH, Entomophilous pollination in rape (*Brassica napus* L var *oleifera*) in Brazil, 203

Allen M — *See* Varis AL *et al*, 133

Amoros M, Sauvager F, Girre L, Cormier M, *In vitro* antiviral activity of propolis, 231

B

Ball BV — *See* Varis AL *et al*, 133

Bankova V, Dyulgerov A, Popov S, Evstatieva L, Kuleva L, Pureb O, Zamjansan Z, Propolis produced in Bulgaria and Mongolia: phenolic compounds and plant origin, 79

Barisic D, Lulic S, Kezic N, Vertacnik A, ^{137}Cs in flowers, pollen and honey from the Republic of Croatia four years after the Chernobyl accident, 71

Berdagué JL — *See* Tabouret T *et al*, 415

Bergomi S — *See* Lodesani M *et al*, 257

Biesmeijer JC, van Marwijk B, van Deursen K, Punt W, Sommeijer MJ, Pollen sources for *Apis mellifera* L (Hym, Apidae) in Surinam, based on pollen grain volume estimates, 245

Bourdzy-Hatzopoulou E — *See* Papadopoulou-Karabela K *et al*, 393

Boykin DL — *See* Pesante DG *et al*, 545

Buco SM — *See* Kulincevic JM *et al*, 443 — *See* Pesante DG *et al*, 545

C

Carpana E — *See* Lodesani M *et al*, 257

Chandel RS, Gupta PR, Toxicity of diflubenzuron and penfluron to immature stages of *Apis cerana indica* F and *Apis* melliifera L, 465

Collins AM — *See* Pesante DG *et al*, 545

Cormier M — *See* Amoros M *et al*, 231

D

Danka RG — *See* Williams JL *et al*, 537

de Camargo JMF, de Menezes Pedro SR, Systematics, phylogeny and biogeography of the Meliponinae (Hymenoptera, Apidae): a mini-review, 509

de Menezes Pedro SR — *See* de Camargo JMF *et al*, 509

Duke GM — *See* Goettel MS *et al*, 299

Dyulgerov A — *See* Bankova V *et al*, 79

E

Eguaras MJ — *See* Marcangeli JA *et al*, 57

Engels W — *See* Tewarson NC *et al*, 161

Evstatieva L — *See* Bankova V *et al*, 79

F

Faucon JP, Vitu C, Russo P, Vignoni M, Diagnostic de la paralysie aiguë: application à l'épidémiologie des maladies virales de l'abeille en France en 1990, 139

Fernandez NA — *See* Marcangeli JA *et al*, 57

Fernandez N — *See* Marcangeli JA *et al*, 399

Fijan N — *See* Gregorc A *et al*, 241

Fries I, Granados RR, Morse RA, Intracellular germination of spores of *Nosema Apis* Z, 61 — ***, Morse RA, Distribution of *Acarapis woodi*

* Contribution no 1656 from the Animal Research Centre.

Rennie in the tracheae of honey bees, 503

G

Girre L — *See* Amoros M *et al*, 231

Glinski Z — ***, Jarosz J, *Varroa jacobsoni* as a carrier of bacterial infections to a recipient bee host, 25 — ***, Jarosz J, Does *Bacillus larvae* produce an antibacterial substance in infected honey bee *larvae*?, 193

Goettel MS — *See* Inglis GD *et al*, 119 — ***, Duke GM, Schaalje GB, Richards KW, Effects of selected fungicides on *in vitro* spore germination and vegetative growth of *Ascosphaera aggregata*, 299

Goetz B, Koeniger N, Structural features trigger capping of brood cells in honey bees, 211

Granados RR — *See* Fries I *et al*, 61

Gregorc A, Fijan N, Poklukar J, The effect of *Apis mellifera carnica* Polm worker bee source for populating mating nuclei on degree of infection by *Nosema Apis* Zander, 241

Gupta M, Scanning electron microscopic studies of antennal sensilla of adult worker *Apis florea* F (Hymenoptera: Apidae), 47

Gupta PR — *See* Chandel RS *et al*, 465

H

Huidobro JF — *See* Sancho MT *et al*, 291

Hänel H — *See* Ruttner F *et al*, 173

I

Iliadis N — *See* Papadopoulou-Karabela K *et al*, 393

Inglis GD, Goettel MS, Sigler L, Analysis of alfalfa leafcutter bee (*Megachile rotundata*) provisions pre- and post-sterilization with propylene oxide, 119

J

Jacquemart AL, Préliminaires sur la production de nectar chez trois espèces de *Vaccinium*, 453

Jarosz J — *See* Glinski Z *et al*, 25 — *See* Glinski Z *et al*, 193

Jasinski Z — *See* Woyke J, Jasinski Z, 225

K

Kalpana TP — *See* Ramanujam CGK *et al*, 403

Karol A — *See* Verma S *et al*, 285

Kezic N — *See* Barisic D *et al*, 71 — ***, Ludic D, Sulimanovic D, Induction of mixed function oxidase activity in honey bee as a bioassay for detection of environmental xenobiotics, 217

Koeniger N — *See* Goetz B *et al*, 211

Kuleva L — *See* Bankova V *et al*, 79

Kulincevic JM, Rinderer TE, Mladjan VJ, Buco SM, Five years of bi-directional genetic selection for honey bees resistant and susceptible to *Varroa jacobsoni*, 443

L

Lasagni P — *See* Lodesani M *et al*, 257

Lefkovitch PL — *See* Szabo TI *et al*, 151

Lhéritier J — *See* Tabouret T *et al*, 415

Liakos V — *See* Papadopoulou-Karabela K *et al*, 393

Lipa JJ, Triggiani O, A newly recorded neogregarine (Protozoa, Apicomplexa), parasite in honey bee (*Apis mellifera*) and bumble bees (*Bombus* spp), 533

Lodesani M, Pellacani A, Bergomi S, Carpana E, Rabitti T, Lasagni P, Residue determination for some products used against *Varroa* infestation in bees, 257

Ludic D — *See* Kezic N *et al*, 217

Lulic S — *See* Barisic D *et al*, 71

M

Maciejewicz W — *See* Warakomska Z *et al*, 277

Marcangeli JA — ***, Eguaras MJ, Fernandez NA, Reproduction of *Varroa jacobsoni* (Acari: Mesostigmata: Varroidae) in temperate climates of Argentina, 57 — ***, Monetti L, Fernandez N,

Malformations produced by *Varroa jacobsoni* on *Apis mellifera* in the province of Buenos Aires, Argentina, 399

Meusel MS, Moritz RFA, Mitochondrial DNA length variation in the cytochrome oxidase region of honey bee (*Apis mellifera* L), 147

Minckley RL — *See* Wcislo WT *et al*, 431

Mladjan VJ — *See* Kulincevic JM *et al*, 443

Mohana Rao G — *See* Suryanarayana MC *et al*, 33

Monetti L — *See* Marcangeli JA *et al*, 399

Moosbeckhoffer R — Beobachtungen zum Auftreten beschädigter Varroamilben im *Apis mellifera carnica*, 523

Moritz RFA — *See* Meusel MS *et al*, 147

Morse RA — *See* Fries I *et al*, 61 — *See* Steinkraus KH *et al*, 497 — *See* Fries I *et al*, 503

Muniategui S — *See* Sancho MT *et al*, 291

N

Nazzi F, Morphometric analysis of honey bees from an area of racial hybridization in northeastern Italy, 89

Nogueira Couto RH — *See* Adegas JEB *et al*, 203

O

Otis GW — *See* Scott-Dupree CD *et al*, 97

P

Papadopoulou-Karabela K, Iliadis N, Liakos V, Bourdzy-Hatzopoulou E, Experimental infection of honey bees by *Pseudomonas aeruginosa*, 393

Pellacani A — *See* Lodesani M *et al*, 257

Pesante DG, Rinderer TE, Collins AM, Boykin DL, Buco SM, Honey production in Venezuela: effects of feeding sugar syrup on colony weight gains by Africanized and European colonies, 545

Poklukar J — *See* Gregorc A *et al*, 241

Popov S — *See* Bankova V *et al*, 79

Punt W — *See* Biesmeijer JC *et al*, 245

Pureb O — *See* Bankova V *et al*, 79

R

Rabitti T — *See* Lodesani M *et al*, 257

Ramanujam CGK, Kalpana TP, *Tamarindus indica* L - an important plant for *Apis florea* F in south central India, 403

Richards KW — *See* Whitfield GH *et al*, 11 — *See* Goettel MS *et al*, 299

Rinderer TE — *See* Kulincevic JM *et al*, 443 — *See* Pesante DG *et al*, 545

Russo P — *See* Faucon JP *et al*, 139

Rust R, Torchio P, Effects of temperature and host developmental stage on *Ascosphaera trochioi* Youssef and McManus prevalence in *Osmia lignaria propinqua* Cresson (Hymenoptera: Megachilidae), 1

Ruttner F, Hänel H, Active defense against *Varroa* mites in a Carniolan strain of honeybee (*Apis mellifera carnica* Pollmann), 173

S

Sánchez P — *See* Sancho MT *et al*, 291

Sancho MT, Muniategui S, Sánchez P, Huidobro JF, Simal-Lozano J, Evaluating soluble and insoluble ash, alkalinity of soluble and insoluble ash and total alkalinity of ash in honey using electrical conductivity measurements at 20°C, 291

Sauvager F — *See* Amoros M *et al*, 231

Schaalje GB — *See* Goettel MS *et al*, 299

Scott-Dupree CD, Otis GW, The efficacy of four miticides for the control of *Acarapis woodi* (Rennie) in a fall treatment program, 97

Sigler L — *See* Inglis GD *et al*, 119

Simal-Lozano J — *See* Sancho MT *et al*, 291

Singh TSMS — *See* Suryanarayana MC *et al*, 33

Singh A — *See* Tewarson NC *et al*, 161

Sommeijer MJ — *See* Biesmeijer JC *et al*, 245

Spangler HC — *See* Wcislo WT *et al*, 431

Steinkraus KH, Morse RA, American

foulbrood incidence in some US and Canadian honeys, 497

Sulimanovic D — *See* Kezic N *et al*, 217

Suryanarayana MC, Mohana Rao G, Singh TSMS, Studies on pollen sources for *Apis cerana* Fabr and *Apis mellifera* L bees at Muzaffarpur, Bihar, India, 33

Szabo TI, Lefkovitch PL, Heritability of colour patterns in a closed population of honeybees, 151

Sánchez P — *See* Sancho MT *et al*, 291

T

Tabouret T, Berdagué JL, Lhéritier J, La tendance des miels à cristalliser : nouvel essai d'approche statistique, 415

Tewarson NC, Singh A, Engels W, Reproduction of *Varroa jacobsoni* in colonies of *Apis cerana indica* under natural and experimental conditions, 161

Torchio P — *See* Rust R *et al*, 1

Triggiani O — *See* Lipa JJ *et al*, 533

V

van Deursen K — *See* Biesmeijer JC *et al*, 245

van Marwijk B — *See* Biesmeijer JC *et al*, 245

Varis AL, Ball BV, Allen M, The incidence of pathogens in honey bee (*Apis mellifera* L) colonies in Finland and Great Britain, 133

Verma S, Karol A, Chromosomal analysis of the eggs and ovaries of the laying workers of *Apis cerana* F, 285

Vertacnik A — *See* Barisic D *et al*, 71

Vignoni M — *See* Faucon JP *et al*, 139

Villa JD — *See* Williams JL *et al*, 537

Vitu C — *See* Faucon JP *et al*, 139

W

Warakomska Z, Maciejewicz W, Microscopic analysis of propolis from Polish regions, 277

Wcislo WT, Minckley RL, Spangler HC, Pre-copulatory courtship behaviour in a solitary bee, *Nomia triangulifera* Vachal (Hymenoptera: *Halictidae*), 431

Whitfield GH, Richards KW, Temperature-dependent development and survival of immature stages of the alfalfa leafcutter bee, *Megachile rotundata* (Hymenoptera: Megachilidae), 11

Williams JL, Villa JD, Danka RG, Acephate bait for eliminating honey bee swarms in swarm traps, 537

Woyke J, Diurnal flight activity of African bees *Apis mellifera adansonii* in different seasons and zones of Ghana, 107 — ***, Jasinski Z, Natural mating of instrumentally inseminated queen bees, 225 — ***, Diurnal and seasonal variation in defensive behaviour of African bees *Apis mellifera adansonii* in Ghana, 311

Z

Zamjansan Z — *See* Bankova V *et al*, 79